

REMARKS

Applicant hereby traverses the outstanding objections and rejections, and requests reconsideration and withdrawal in light of the amendments and remarks contained herein. Claims 1-21 are pending in this application.

Objection to the Drawings

The Examiner has objected to the drawings, specifically FIGURES 4B, 4C, 6 and 7. In response, Applicant submits proposed drawing changes to FIGURE 4B, 4C, 6, and 7, as suggested by the Examiner. No new matter has been entered by these amendments. As each identified instance of informality has been corrected with a corresponding proposed amendment, Applicant believes that the objection to the drawings has been overcome, and that this objection should be withdrawn.

Objection to the Abstract

The Abstract stands objected to for informalities listed on page 2 of the Office Action. In response, Applicant has amended the phrase “power wire densities” to read “wire densities”. Each identified instance of informality has been corrected with a corresponding amendment. No new matter has been entered. Thus, Applicant believes that the objection to the Abstract has been overcome, and that this objection should be withdrawn.

Objection to the Specification

The Specification stands objected to for informalities listed on page 2 of the Office Action. In response, Applicant has amended the phrase “power wire densities” appearing at page 2, paragraph 6 of the specification to read “wire densities”. Applicant has also amended the phrase “This plot 600” appearing at page 9, paragraph 35 of the specification to read “FIGURE 6”. Each identified instance of informality has been corrected with a corresponding amendment. No new matter has been entered. Thus, Applicant believes that the objection to the Specification has been overcome, and that this objection should be withdrawn.

Claim Objections

Claims 1-21 are objected to for informalities listed on page 3 of the Office Action. In response, Applicants have amended claims 1, 17, 20, and 21 to delete the word “power” from the phrase “power wire densities”. Each identified instance of informality has been corrected with a corresponding amendment. The claims have been amended only for the purpose of resolving the cited informalities, and not for the purpose of narrowing their scope in the face of prior art. No new matter has been entered. As these amendments address the recited informalities, Applicant respectfully requests the withdrawal of the objection of record.

Rejection under 35 U.S.C. § 101

Claims 20 and 21 are rejected as being directed to non-statutory subject matter. Specifically, that claims 20 and 21 lack utility because the claims do not indicate a use in the preamble. Applicant believes that this rejection is incorrect and without basis, however to advance prosecution of this Application, Applicant has amended claims 20 and 21 to include the phrase “for current management” in the preamble of each claim. The claims have been amended only for the purpose of addressing the rejection of record and not for the purpose of narrowing their scope in the face of prior art. No new matter has been added by these amendments as there is adequate support for the limitations in the specification. Applicants reserve the right to later argue the impropriety of this rejection. Applicant believes that this rejection has been overcome and should be withdrawn.

Rejection under 35 U.S.C. § 112, first paragraph

Claims 20 and 21 are rejected under 35 U.S.C. § 112, first paragraph. Specifically, one skilled in the art would not know how to use the claimed invention because the claims do not indicate a use in the preamble. Applicant believes that this rejection is incorrect and without basis, however to advance prosecution of this Application, Applicant has amended claims 20 and 21 to include the phrase “for current management” in the preamble of each claim. The claims have been amended only for the purpose of addressing the rejection of record and not for the purpose of narrowing their scope in the face of prior art. No new matter has been added by these amendments as there is adequate support for the limitations in the

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specification. Applicants reserve the right to later argue the impropriety of this rejection. Applicant believes that this rejection has been overcome and should be withdrawn.

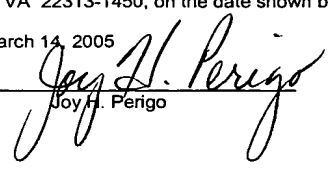
In view of the above amendment, applicant believes the pending application is in condition for allowance.

Applicant believes no fee is due with this response. However, if a fee is due, please charge our Deposit Account No. 08-2025, under Order No. 100202851-1, from which the undersigned is authorized to draw.

Dated: March 14, 2005

I hereby certify that this correspondence is being deposited with the U.S. Postal Service as Express Mail, Airbill No. EV482745667US, in an envelope addressed to: MS Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date shown below.

Dated: March 14, 2005

Signature: 

Joy H. Perigo

Respectfully submitted,

By 

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Attachments: Drawings

AMENDMENTS TO THE DRAWINGS

The attached sheets of drawings includes changes to FIGURES 4B-4C, 6, and 7.

Attachment: Replacement sheets for FIGURES 4A-4C, 6, and 7.